

## ABSTRACT OF THE DISCLOSURE

An image sensing apparatus capable of separately performing image processing on odd-numbered fields and even-numbered fields for each of the image data from the left lens and right lens when a 3-D (stereoscopic) compatible lens is mounted, and when a normal lens is mounted, recording image data while correlating fields and reducing redundant data. When 3-D compatible lens 1 is mounted to image sensing apparatus main body 12, the mounting of the lens is informed to the image sensing apparatus main body 12. In response, the image sensing apparatus main body 12 performs image processing separately on the left and right images for each field. For instance, the image compression mode is switched from an every-field structure to an alternate-field structure.